

SEP 21 2005

Serial No. 10/621,627, filed 7/17/2003
60,130-1790; 03MRA0203

IN THE CLAIMS

Please amend the claims as follows. This listing of claims will replace all prior listings.

Listing of Claims:

1. (Original) A method of detecting a wheel end condition comprising the steps of:
 - a) providing a wheel end;
 - b) detecting lateral movement of the wheel end; and
 - c) limiting vehicle speed in response to the lateral movement reaching a predetermined value.
2. (Currently Amended) The method according to claim 1, wherein the predetermined value triggers an anti lock brake system (ABS) fault code.
3. (Original) The method according to claim 1, wherein a wheel end condition warning device is activated in response to the lateral movement reaching the predetermined value.
4. (Original) The method according to claim 1, wherein the vehicle speed is approximately five miles per hour or less.

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5. (Currently Amended) A wheel end condition detection system comprising:
 - a wheel end assembly;
 - a controller detecting lateral movement of said wheel end assembly and generating a fault code in response to said lateral movement reaching a predetermined value;
 - a warning device activated in response to said fault code; and
 - a vehicle component other than said warning device in electrical communication with said controller that is controlled in response to said fault code for maintaining safe operation of the vehicle.
6. (Currently Amended) The system according to claim 5, wherein an anti lock brake system (ABS) sensor is connected to said controller for sensing said lateral movement.
7. (Original) The system according to claim 6, wherein said warning device includes an ABS warning light.

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8. (Currently Amended) A wheel end condition detection system comprising:~~The system according to claim 7, wherein said vehicle component is~~

a wheel end assembly;

a controller detecting lateral movement of said wheel end assembly and generating a fault code in response to said lateral movement reaching a predetermined value;

an anti lock brake system (ABS) sensor connected to said controller for sensing said lateral movement;

a warning device that includes an ABS warning light that is activated in response to said fault code; and

a wheel end condition warning device that is controlled in response to said fault code for maintaining safe operation of the vehicle.

9. (Currently Amended) A wheel end condition detection system comprising:~~The system according to claim 5, wherein said vehicle component comprises~~

a wheel end assembly;

a controller detecting lateral movement of said wheel end assembly and generating a fault code in response to said lateral movement reaching a predetermined value;

a warning device activated in response to said fault code; and

an engine that is controlled in response to said fault code for maintaining safe operation of the vehicle.

10. (Original) The system according to claim 5, wherein said wheel end assembly includes a unitized bearing.

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11. (New) The method according to claim 1, including step (d) controlling a vehicle engine to limit the vehicle speed.
12. (New) The method according to claim 1, including step (d) generating a fault code in response to the lateral movement reaching the predetermined value.
13. (New) The method according to claim 12, wherein step (d) includes generating the fault code in response to a deteriorating electrical signal from a sensor that detects the lateral movement.
14. (New) The method according to claim 12, wherein step (c) includes limiting the vehicle speed in response to the fault code.
15. (New) The method according to claim 1, wherein step (b) includes detecting the lateral movement between a sensor and a tone ring on the wheel end.
16. (New) The system according to claim 5, including a second warning device activated in response to said fault code.